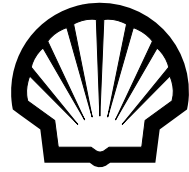


Shell Fuel Oil A Extra



Shell Fuel Oil A Extra is a premium grade fuel oil, special formulated to offer an outstanding combustion performance and improved fuel stability & filterability. It is designed for boiler operation where emission quality, particularly where particulate matter or black smoke reduction is a major concern.

Applications

Shell Fuel Oil A Extra is recommended for use with all steam & hot oil boiler operation especially where there may be an environmental concern and /or experiencing frequent burner & filter servicing problem:

- Experiencing black smoke & particulate emission problem
- Urban Industrial Plant
- ISO 14000 standard requirement
- Operate under a stringent emission control standard
- Experiencing frequent filter & nozzle clogging
- Corporate image's risk

Benefits & Features

- **Emission Quality Improvement**
Reduction in particulate & black smoke emission thru its outstanding fuel combustion performance
- **Save routine maintenance & servicing cost**
Improved fuel filterability and stability will extend required routine filter & nozzle service interval. Also, its minimum sludging tendency & dispersant property will keep fuel system cleaner.
- **Lower long term maintenance cost**
Decreasing in coke & unburned carbon deposit formation in the boiler firing room and smoke tube passes will be experienced, maintenance cycle will then be less frequent
- **Boiler Efficiency Improvement**
Burning efficiency will be increased with the more complete combustion, better energy conversion will be resulted and loss thru excess air can be reduced

Typical Physical Characteristics

Density @ 15°C kg/l	0.949
Kinematic Viscosity @ 50°C cSt	70.68
Flash Point °C (PMCC)	82
Pour Point °C	12
Sulphur Content %m	1.412
Gross Heat of Combustion Mj/Kg	51.24
Ash Content %m	0.1
Water and Sediment %v	0.05